

# ▼ EcoGrey® FMBG & EcoWhite® FMBW

Formerly known as Fine Mortar Base (FMB)  
Polymer Modified Cement-Based Thin Base Coat



022 - 061  
ECO-FRIENDLY BUILDING MATERIAL



## DESCRIPTION

**EcoGrey® FMBG & EcoWhite® FMBW** is a high quality polymer modified water-resistant cement-based thin base coat specially formulated for direct application onto porous concrete, concrete panel and plastered surfaces for patching and surface levelling works. It is highly recommend for all **internal** applications. Direct application of **EcoGrey® FMBG & EcoWhite® FMBW** onto painted surface is strictly prohibited.

### Workability : 6-Foot U-Turn (24 feet)

Length of trowel in a single coat application without any visible sign of peel off at same wet consistency.

## TECHNICAL SPECIFICATION

- Appearance : Grey and white
- Adhesion to concrete (28 days) : Approx. 0.75 N/mm<sup>2</sup> (lab condition)
- Pot life : Approx. 1 - 1½ hours
- Coverage : Approx. 1.3 kg/m<sup>2</sup>/mm
- Recommended Thickness : 2-4mm / build-up / application
- Binder : Portland Cement
- Filler : Calcium Carbonate Powder / dry graded silica >95% SiO<sub>2</sub> Content
- Additives : Water soluble polymers
- Properties : Improve consistency, workability, water retention & adhesion
- Standards in compliance : ASTM D4541 : 1995 (Bond strength)  
BS EN 1015-11 : 1999 (Flexural & compressive strength)  
BS 4551 : Part 1 : 1998 (Compressive strength)

## SURFACE PREPARATION

Remove all loose materials or traces of foreign materials and ensure surface cleaned, free of dust and dirt. It is recommended to damp the substrate surface prior to the application of **EcoGrey® FMBG & EcoWhite® FMBW**.

## MIXING

Mix thoroughly a bag of 40kg **EcoGrey® FMBG & EcoWhite® FMBW** with 11.0 - 12.0 litres of clean water by using an electrical power mixer for 3 to 5 minutes until the homogeneous paste is achieved. Re-mix the material before re-use if the material is left undisturbed for more than 30 minutes.

## APPLICATION

Apply freshly mixed **EcoGrey® FMBG & EcoWhite® FMBW** with steel trowel or spray machine to profile the substrate surface to an average thickness of 2 to 4mm. If application requires more than a single coat, continue to trowel **EcoGrey® FMBG & EcoWhite® FMBW** and to allow the underlying coat to gain partial curing before applying the subsequent coat to achieve the desired flatness. **EcoGrey® PFG & EcoWhite® PFW** can be then applied onto **EcoGrey® FMBG & EcoWhite® FMBW** if extra smooth finishing is required.

## PACKING AND STORAGE

- Packing : 40kg / bag
- Shelf life : 6 months
- Storage : Keep in cool dry condition

## PRECAUTIONS

- Clean tools with water before the product dries.
- Do not apply to extremely absorbent substrate without prior pre-wetting. In hot conditions, protect the surface from drying out rapidly by lightly misting to prevent powderiness.
- Do not mix the product with OPC / white cement / lime.
- Do not apply thinner than the minimum recommended thickness of 2.0mm
- **It is a utmost compulsory not to exceed the recommended thickness / build-up and at minimum of 2 coats and leave for initial set before applying the subsequent build-up.**
- Do not apply when there is vigorous hacking activities in the vicinity of the application area.